Postdoctoral researcher position

Phytobacteriology and Agricultural Microbiome Lab
Department of Plant Pathology
The Ohio State University - College of Food, Agriculture and Environmental Sciences

Summary:
Conducts research focused on different aspects of soil health, including measurements of soil physicochemical characteristics, microbial diversity and activity, and other soil food web components. Specifically, the candidate integrates data, analyzes, and prepares manuscripts deriving from interdisciplinary projects on soil health in Ohio cropping systems. In addition, the candidate performs laboratory analysis, and participates in field and greenhouse experiments, as relevant to soil health and soil food webs. Experiments could include handling and processing of samples for soil, plant and microbial analyses (including nematodes), maintenance and identification of cultures/isolated populations, and environmental nucleic acid analysis. The candidate will maintain thorough records of research, including annotated electronic resources, including application of statistical analysis and bioinformatic pipelines; analyses data, prepares reports and manuscripts for publication. The candidate will be expected to contribute to other group activities, such as, but not limited to, training of laboratory personnel, general lab discussions and extension/outreach.

Essential Duties:
60% Data collection, organization, analysis, interpretation and communication (written and oral), with a particular emphasis on manuscript preparation for peer review.
30% Conducts field, greenhouse and laboratory experiments, including characterization of plant and soil health parameters and analysis of soil food web components
10% Advise and interact with graduate and undergraduate students in research activities.

Degree requirements:
A PhD in Plant Pathology, Agronomy/Crop Science, Soil Sciences, Ecology, Statistics, Entomology, or related field.

Experience required:
Experience with statistical analysis of complex datasets
Excellent organizational skills
Experience in manuscript preparation and publication

Location: The position is located in OSU’s Wooster Campus in Wooster, Ohio (90 miles north of Columbus).

Application link: https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Wooster-Campus/Post-Doctoral-Scholar---Soil-Microbiome-Soil-Health_R47199-1

Questions? Please contact: Soledad Benitez Ponce, benitezponce.1@osu.edu